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U.S. PATENT APPLICATION

SERIAL NUMBER FILING DATE CLASS **GROUP ART UNIT** 08/447,496 05/23/95 455 2604 RULE 60

JOHN C. HARVEY, NEW YORK, NY; JAMES W. CUDDIHY, NEW YORK, NY.

CONTINUING DATA********** VERIFIED THIS APPLN IS A CON OF 08/113,329 08/30/93 WHICH IS A CON OF 08/056,501 05/03/93 PAT 5,335,277 07/849,226 03/10/92 PAT WHICH IS A CON OF 5,233,654 WHICH IS A CON OF 07/588,126 09/25/90 PAT 5,109,414 07/096,096 09/11/87 PAT WHICH IS A CON OF 4,965,825 WHICH IS A CIP OF 06/829,531 02/14/86 PAT 4,704,725 06/317,510 11/03/81 PAT WHICH IS A CON OF 4,694,490

FOREIGN/PCT APPLICATIONS****** VERIFIED

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**** SMALL ENTITY ****

STATE OR COUNTRY	SHEETS Drawing			FILING FEE RECEIVED	ATTORNEY DOCKET NO.
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HOWREY & SIMON 1299 PENNSYLVANIA AVENUE N W WASHINGTON DC 20004

SIGNAL PROCESSING APPARATUS AND METHODS

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This is to certify that annexed hereto is a true copy from the records of the United States Patent and Trademark Office of the application which is identified above.

By authority of the COMMISSIONER OF PATENTS AND TRADEMARKS

Date

Certifying Officer

BAR CODE LABEL			U.S. PATENT APPLICATION			
RIAL NUMBER	R		FILING DATE	CLASS	GROUP ART UNIT	
08/447,4	96		05/23/95 RULE 60	348	2602	
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		WHICH IS	A CON OF 07/	588,126 09/25/	90 PAT 5,109,414	
		WHICH IS		096,096 09/11/		
		WHICH IS	A CIP OF 06/	829,531 02/14/	86 PAT 4,704,725	
		WHICH IS	A CIP OF 06/	317,519 11/02/	81 ABN	
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		LICATIONS** TOTAL CLAIMS	******** INDEPENDENT CLAIMS	FILING FEE RECEIVED	ATTORNEY DOCKET NO.	
VERIF.	I ED	TOTAL	INDEPENDENT		ATTORNEY DOCKET NO. 5634.121	
VERIF	SHEETS DRAWING 22 2 2 3 SIMON PENNSYLVANIA NGTON DC 20	TOTAL CLAIMS	INDEPENDENT CLAIMS 1	RECEIVED		
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Date